

HP TURBINE UPGRADE
PERFORMANCE TESTING

(B) For Guarantees of HP Turbine Efficiency and Swallowing Capacity

Measurements required

1. Main steam pressure at HP stop valve chest inlet.
2. Main steam temperature at HP stop valve chest inlet.
3. After throttle valve pressure at HP turbine inlet end of steam leads.
4. HP exhaust pressure.
5. HP exhaust temperature.

6. Feedwater flow to economiser.
7. HP valves spindle leakage flows.
8. Superheater spraywater flow

Full cycle isolation required for determination of boiler flow losses.

Test Correction Factors Probably Required

Main steam pressure	}	for flow only – simple factors.
Main steam temperature		
HP valve pressure drop		